

**IN THE SPECIFICATION:**

Please replace paragraph [0032] with the following amended paragraph:

[0032] Methods for deployment of the array 55 are disclosed in U.S. Patent Application Serial No. 10/266,715 entitled "Apparatus and Method for Transporting, Deploying, and Retrieving Arrays Having Nodes Interconnected by Sections of Cable," filed October 6, 2002, which is incorporated herein by reference in its entirety. This completion design allows for easy access through the production tubing 10 to the reservoir for logging tools. In some embodiments ~~embodiment~~, fiber optic cabling 27 carries three optical fibers to link the stations 31-35 and 40 of the sensor array 55 together and to link the array 55 to seismic recording devices 25 residing nearby the well.

Please replace paragraph [0038] with the following amended paragraph:

[0038] Embodiments of the present invention thus demonstrate the operation and functionality of a permanent installation of a multi-station, multi-component fiber optic seismic system 70 in a wellbore. A distributed array 55 of fiber optic sensors could be readily deployed on production tubing 10 in a cased hole 50 with minimal impact to the well. Embodiments of the present invention allow VSP to be conducted with good coupling of the sensors to the formation and high-quality sensor performance. The fiber optic system 70 of the present invention allows 4-D imaging and continuous monitoring for the purpose of better understanding the dynamic behavior of the oil and production and storage operations — ~~why are we limiting this patent to the field test and not making it more general in its description.~~